



23351
PATENT TRADEMARK OFFICE

11/20

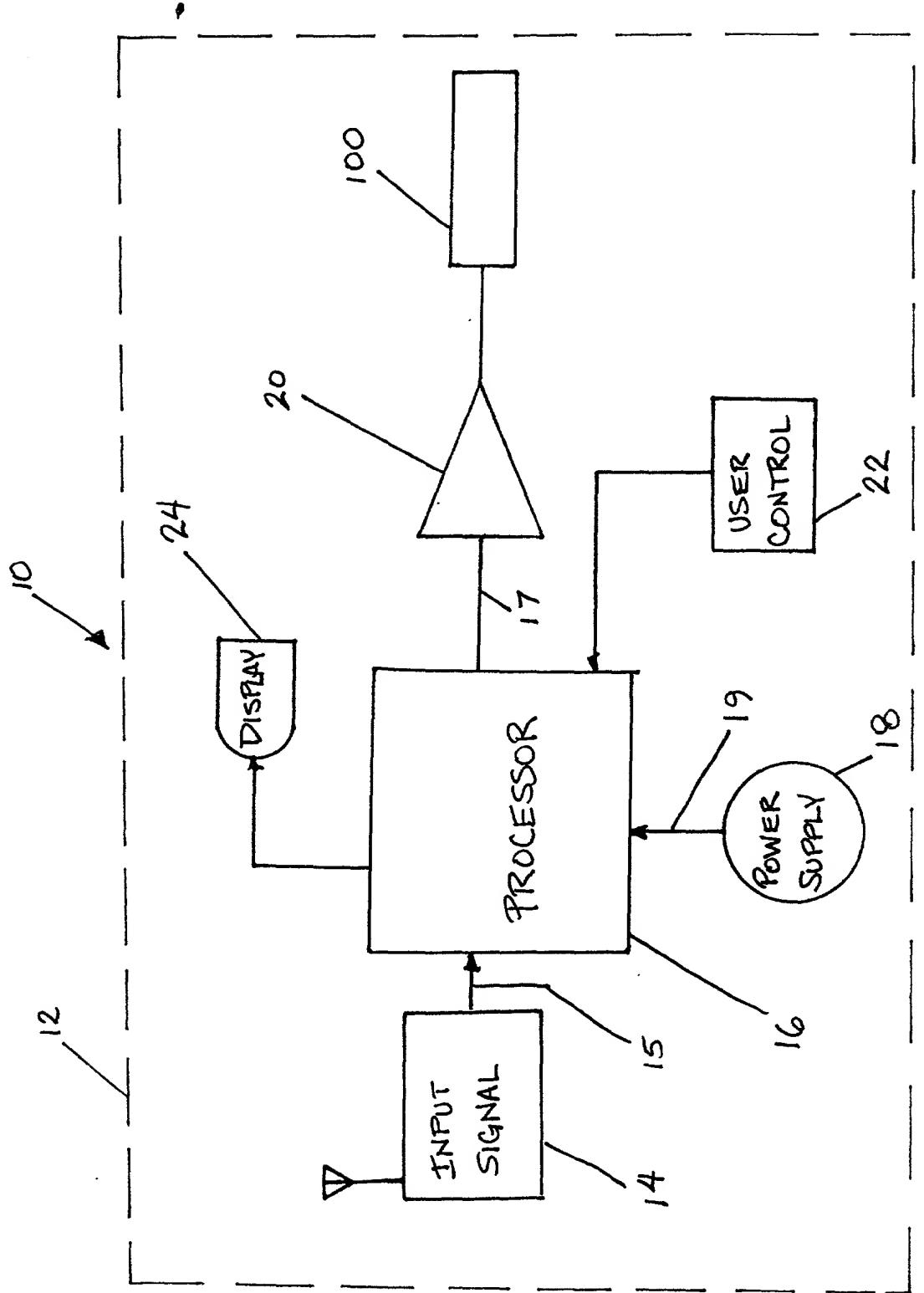


FIG. 1

2/20

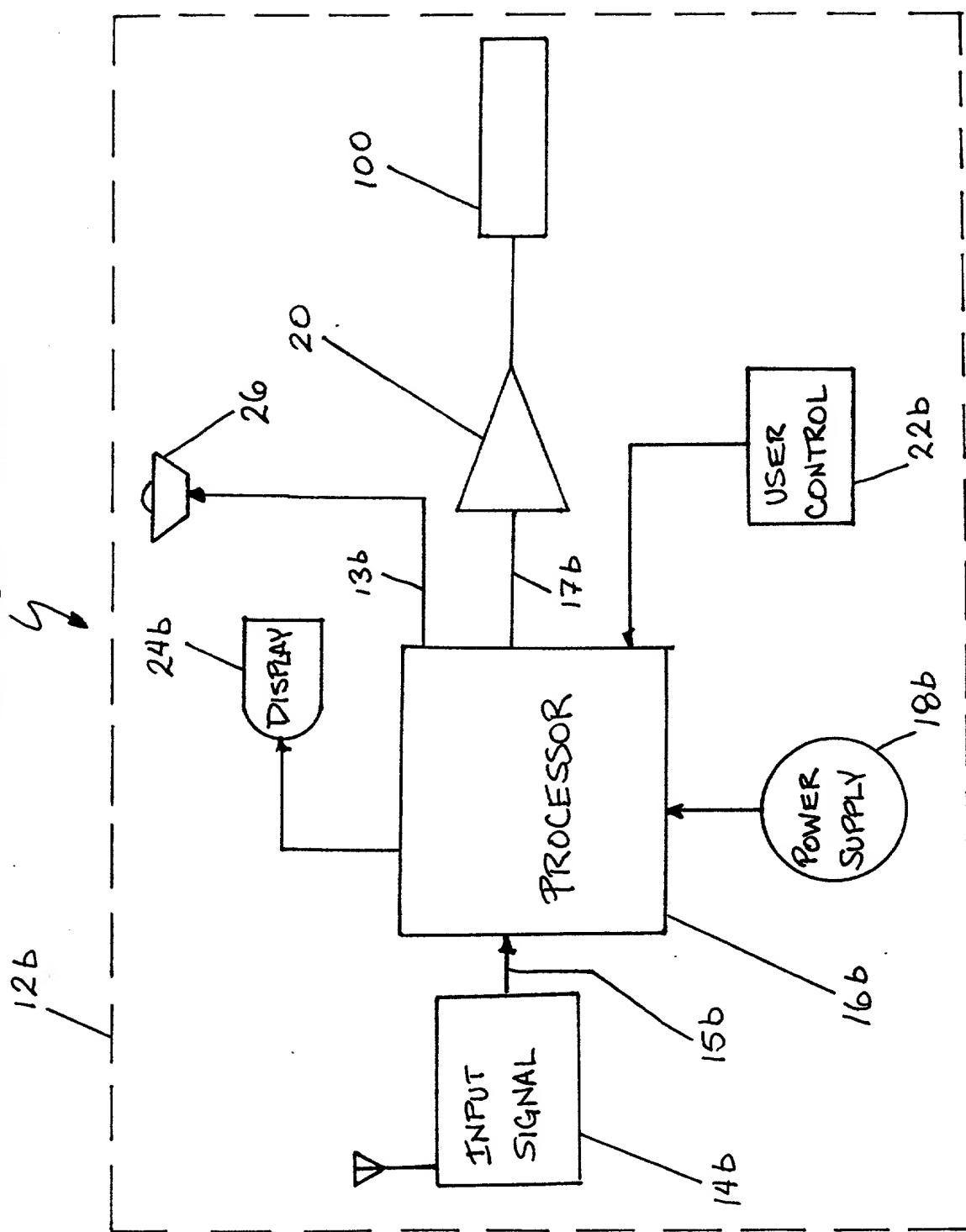
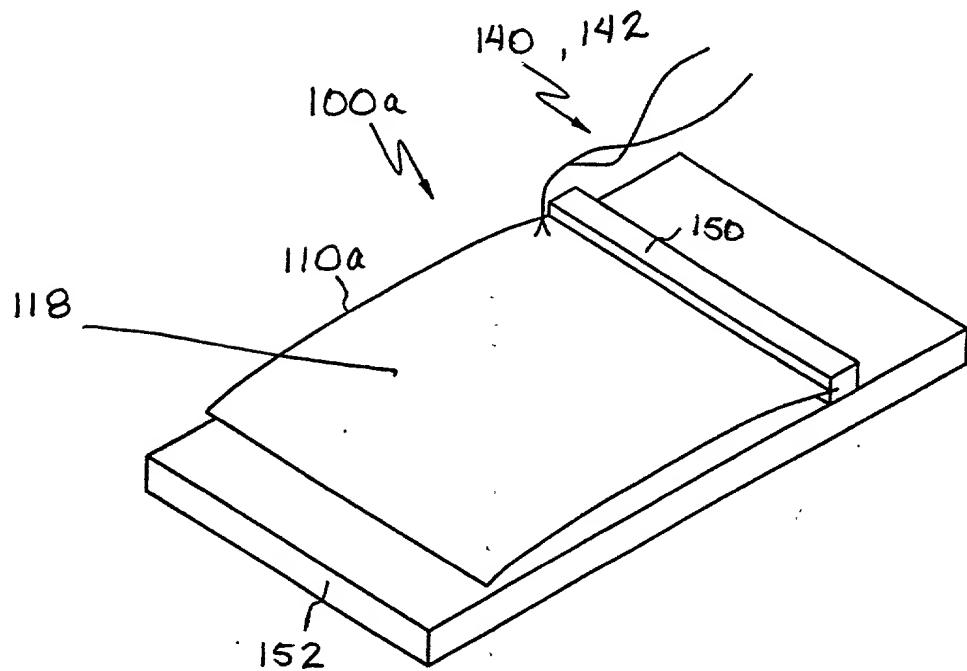
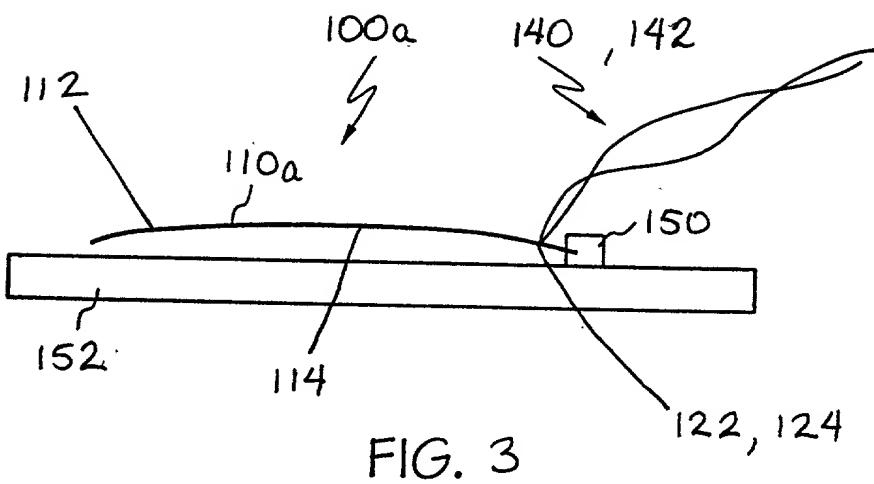


FIG. 2

3/20



4/20

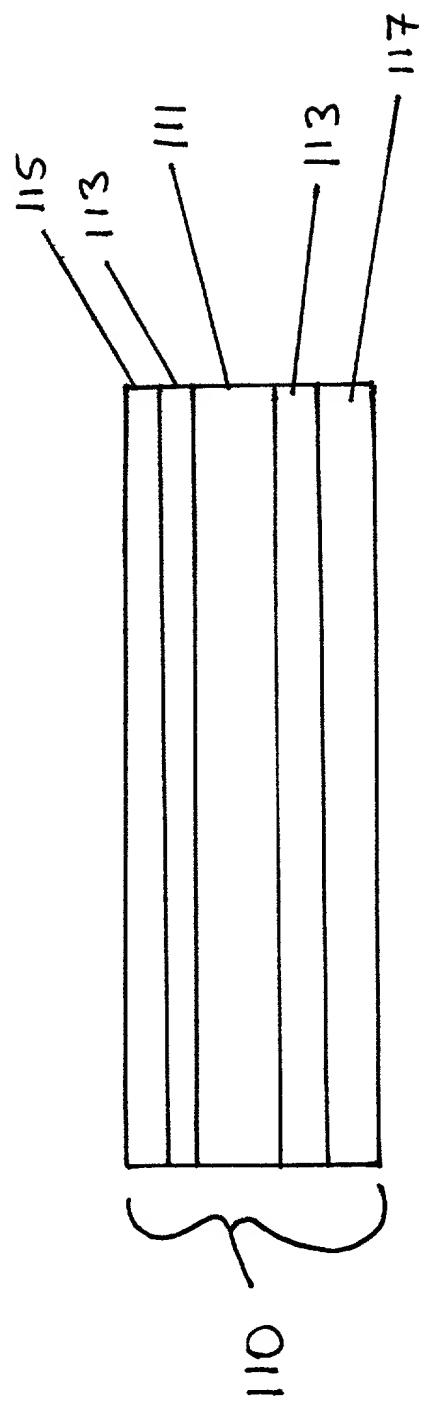
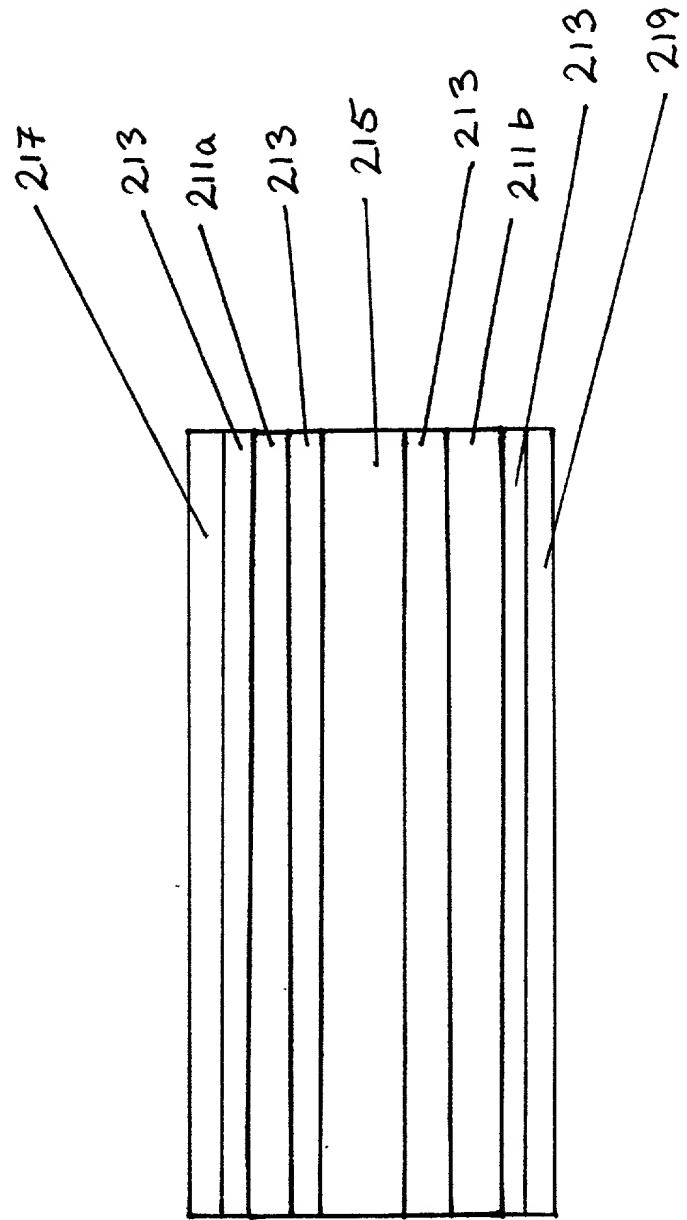


FIG. 5

Patent No. 0,219,213



110

FIG. 6

5/20

6/20

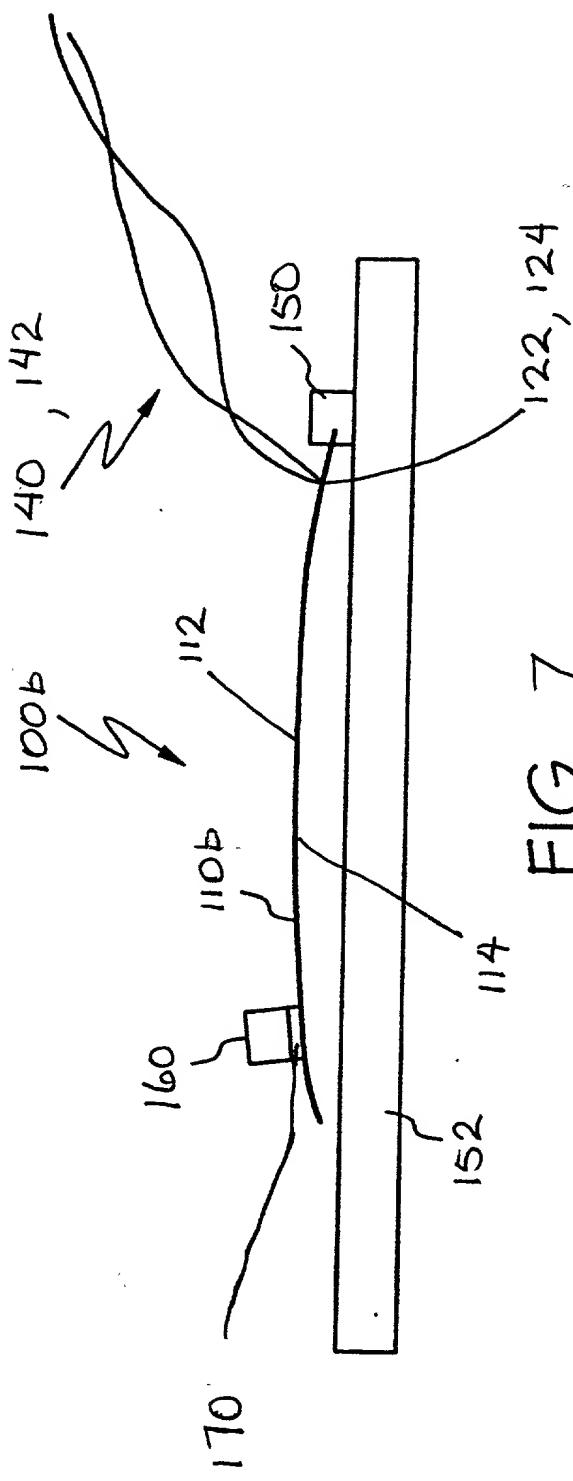


FIG. 7

7/20

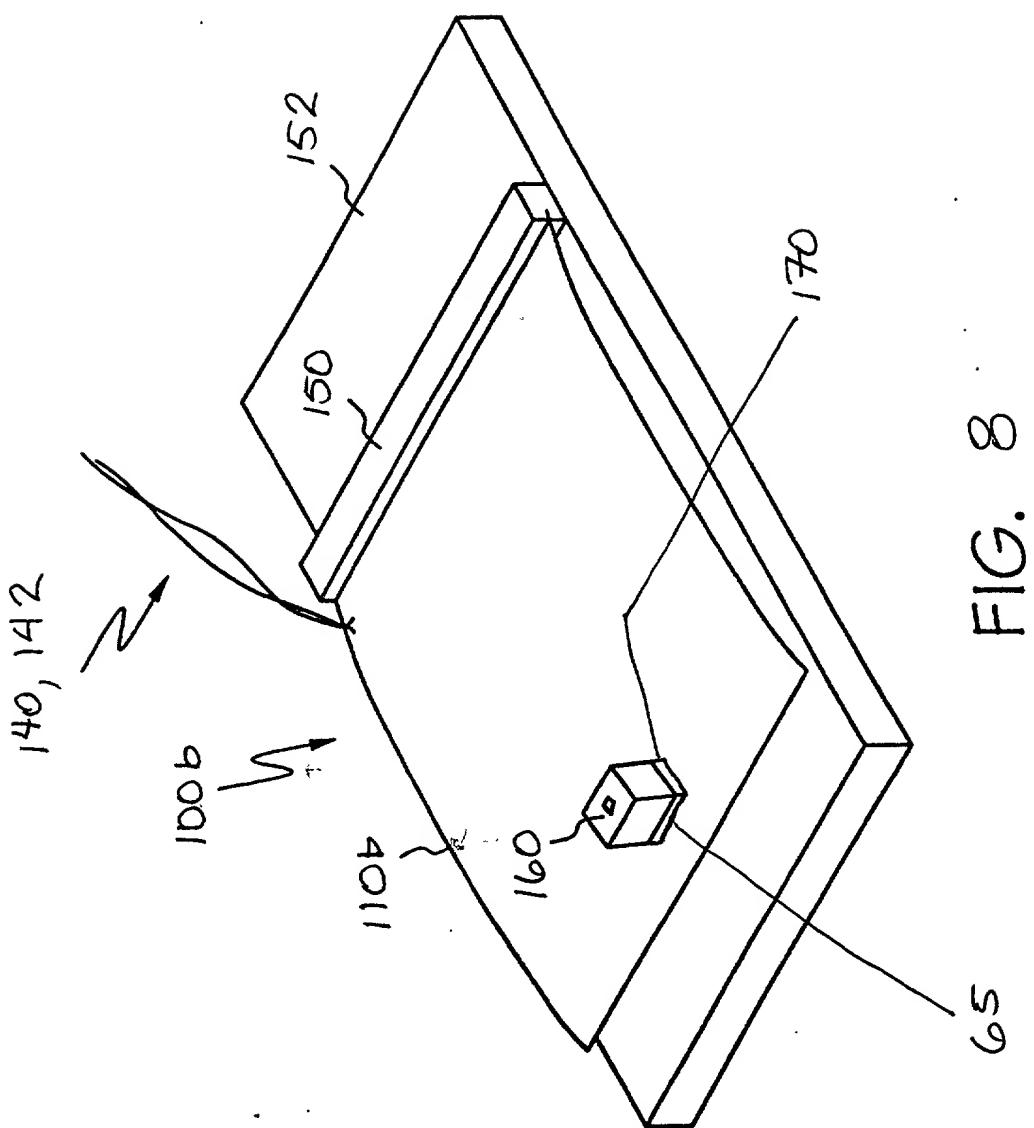


FIG. 8

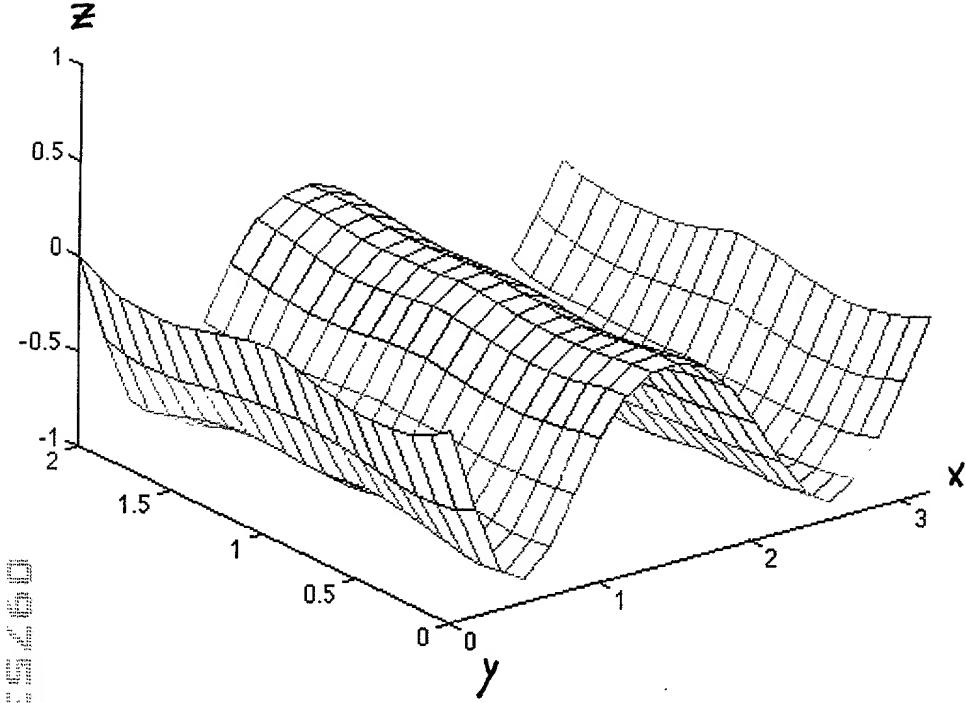


FIG. 9A

M/S

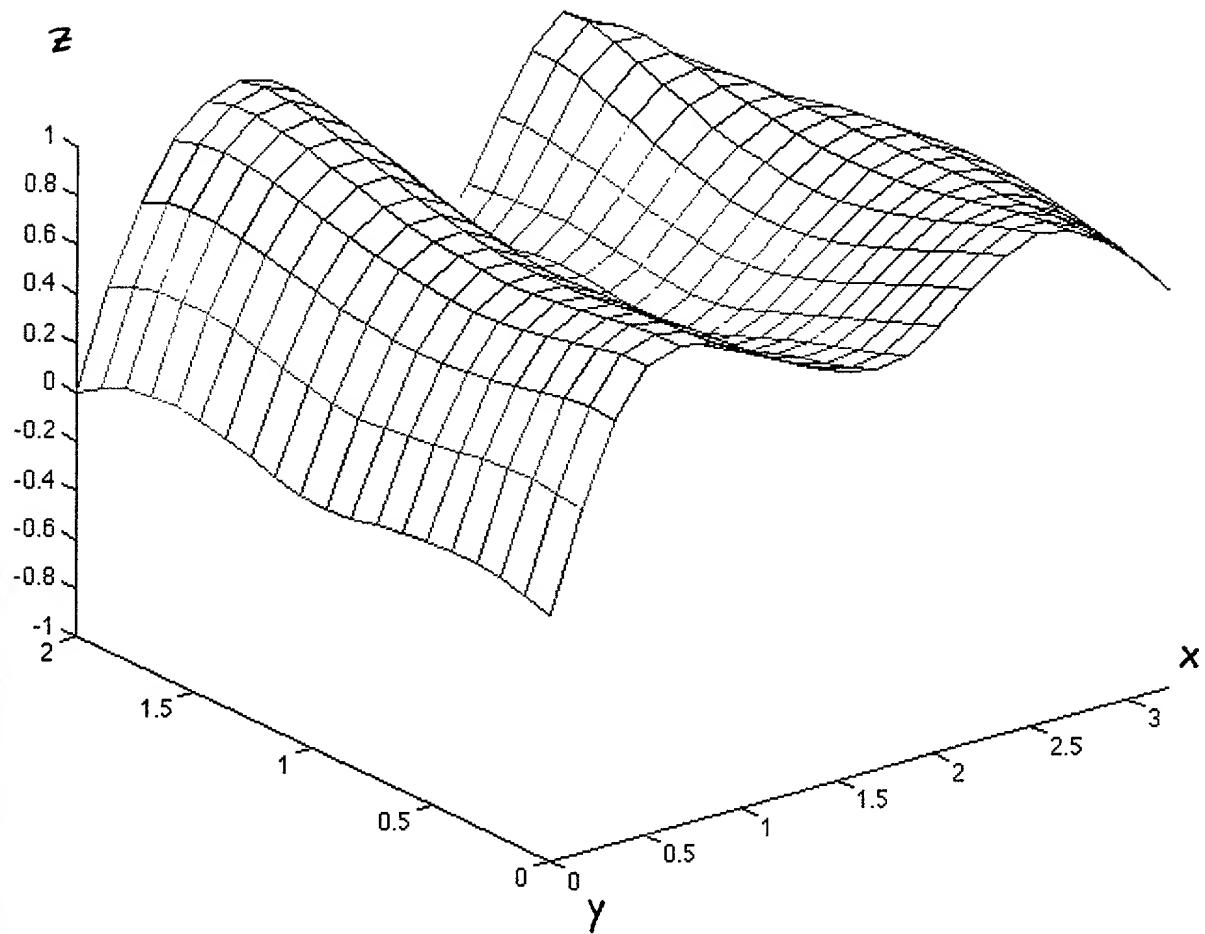


FIG. 9B

2/6

— Anti-node line (67)
..... Node line (69)

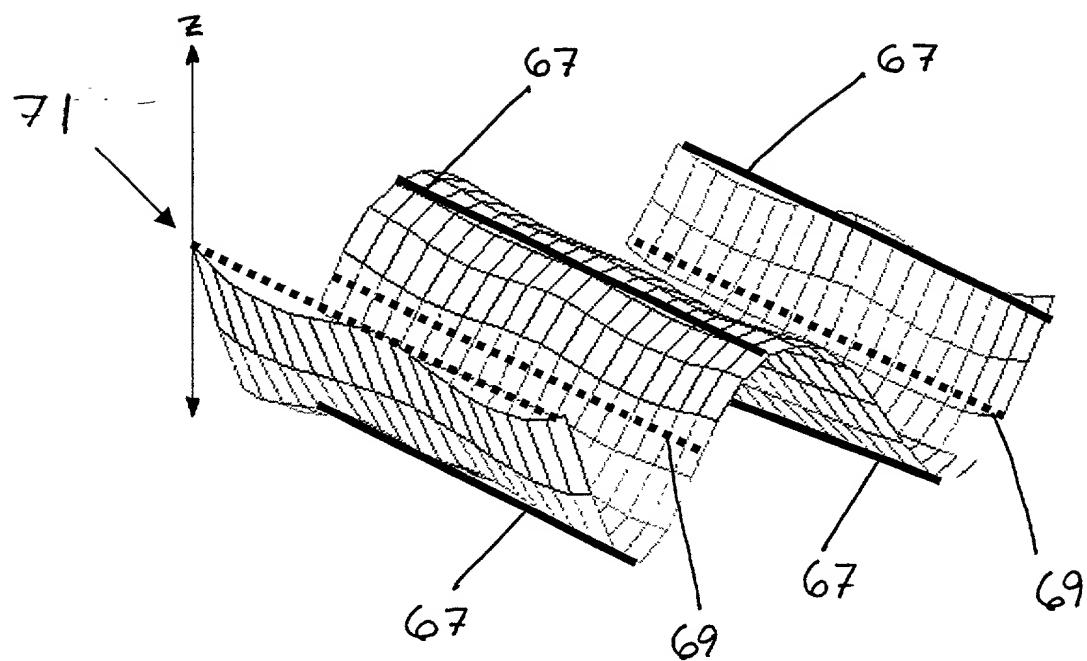


FIG. 10

27/01

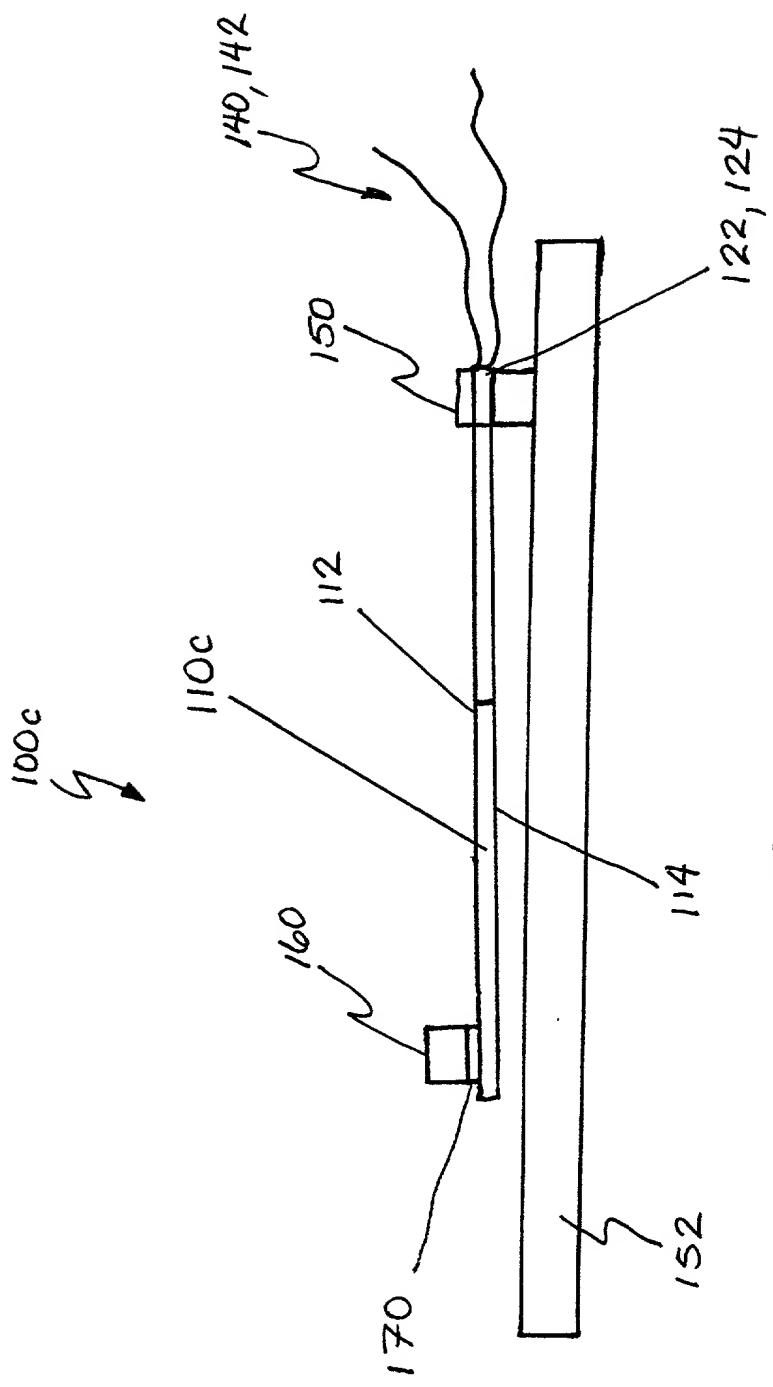


FIG. 11

2/11

1020 1010 1000 990 980 970

110c

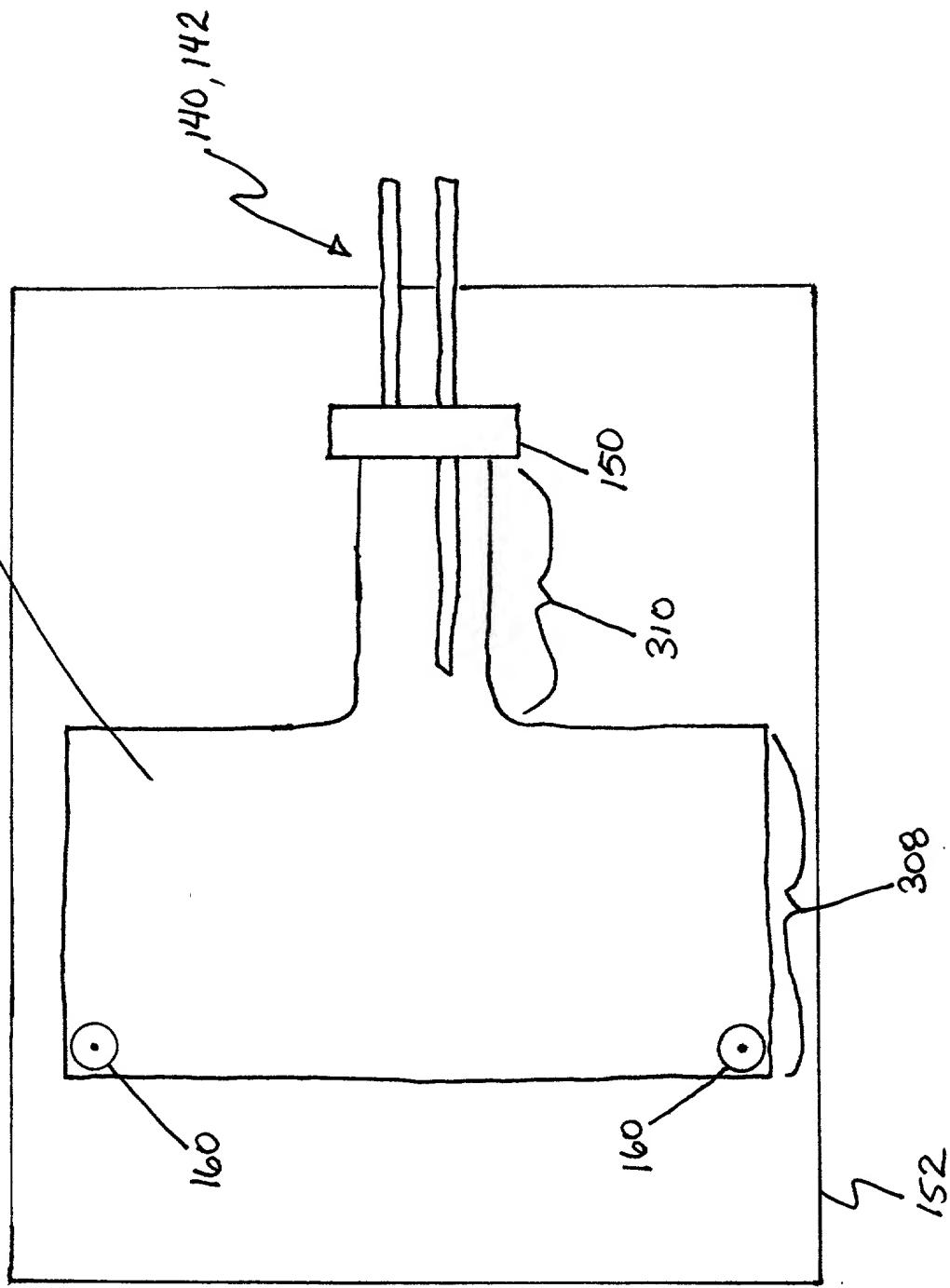


FIG. 12

2/21

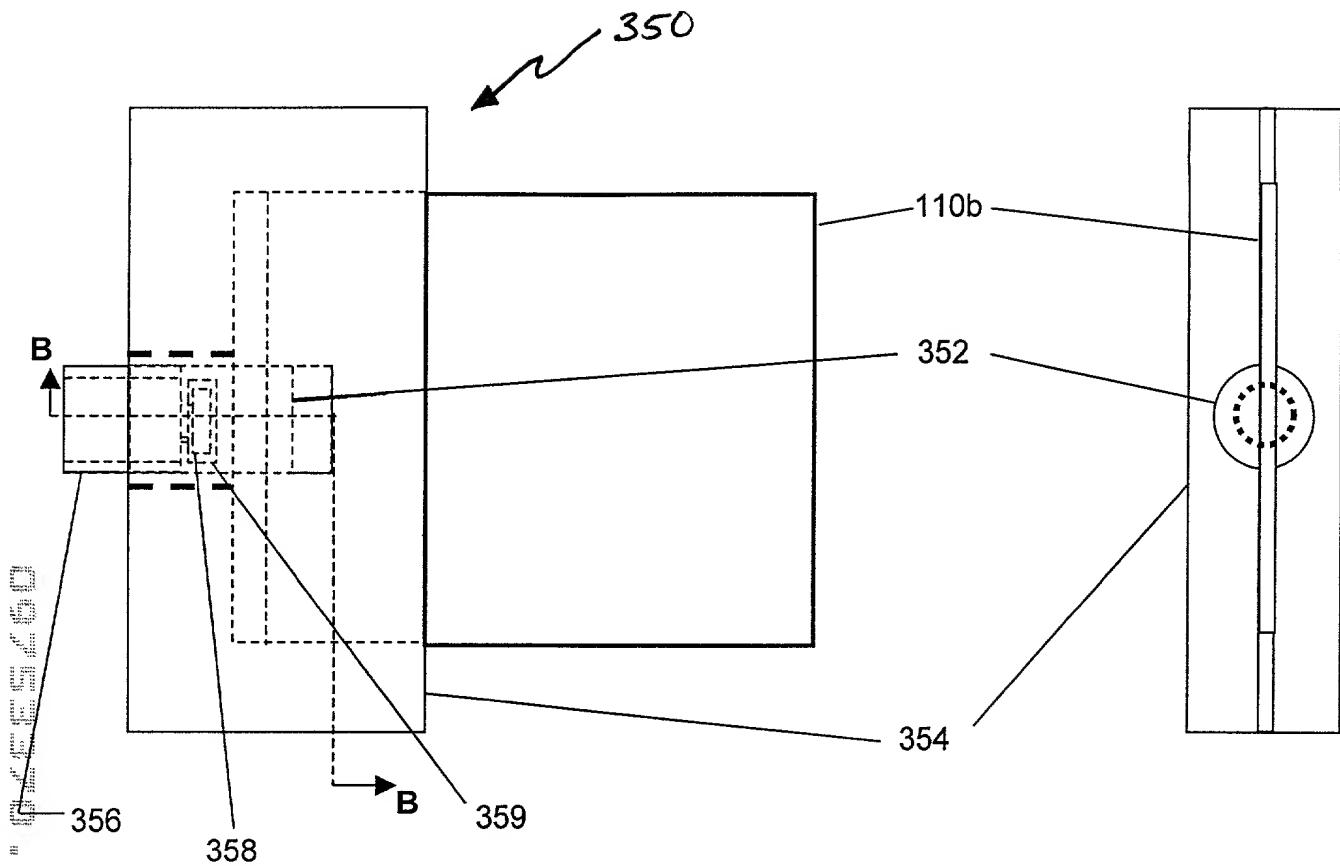
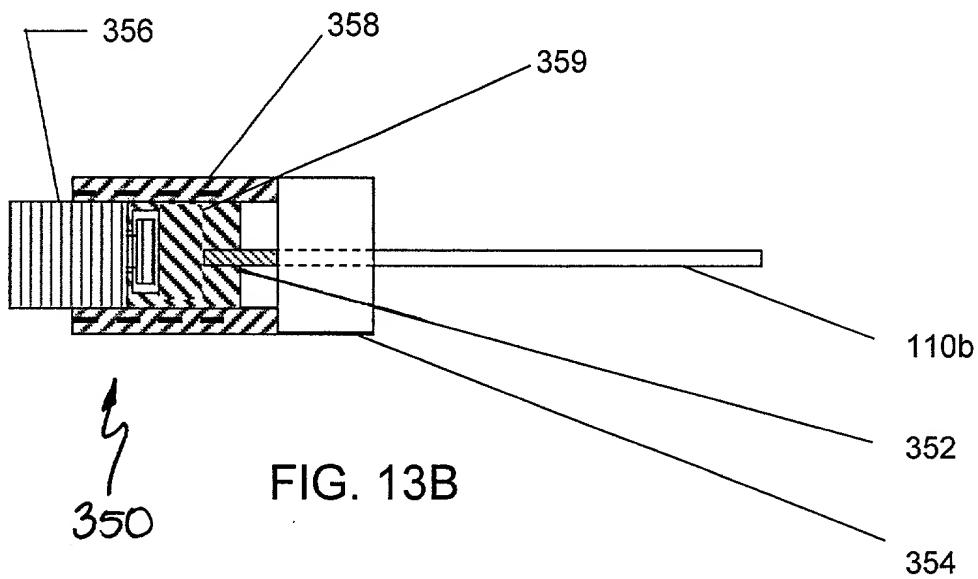


FIG. 13C



02/EJ

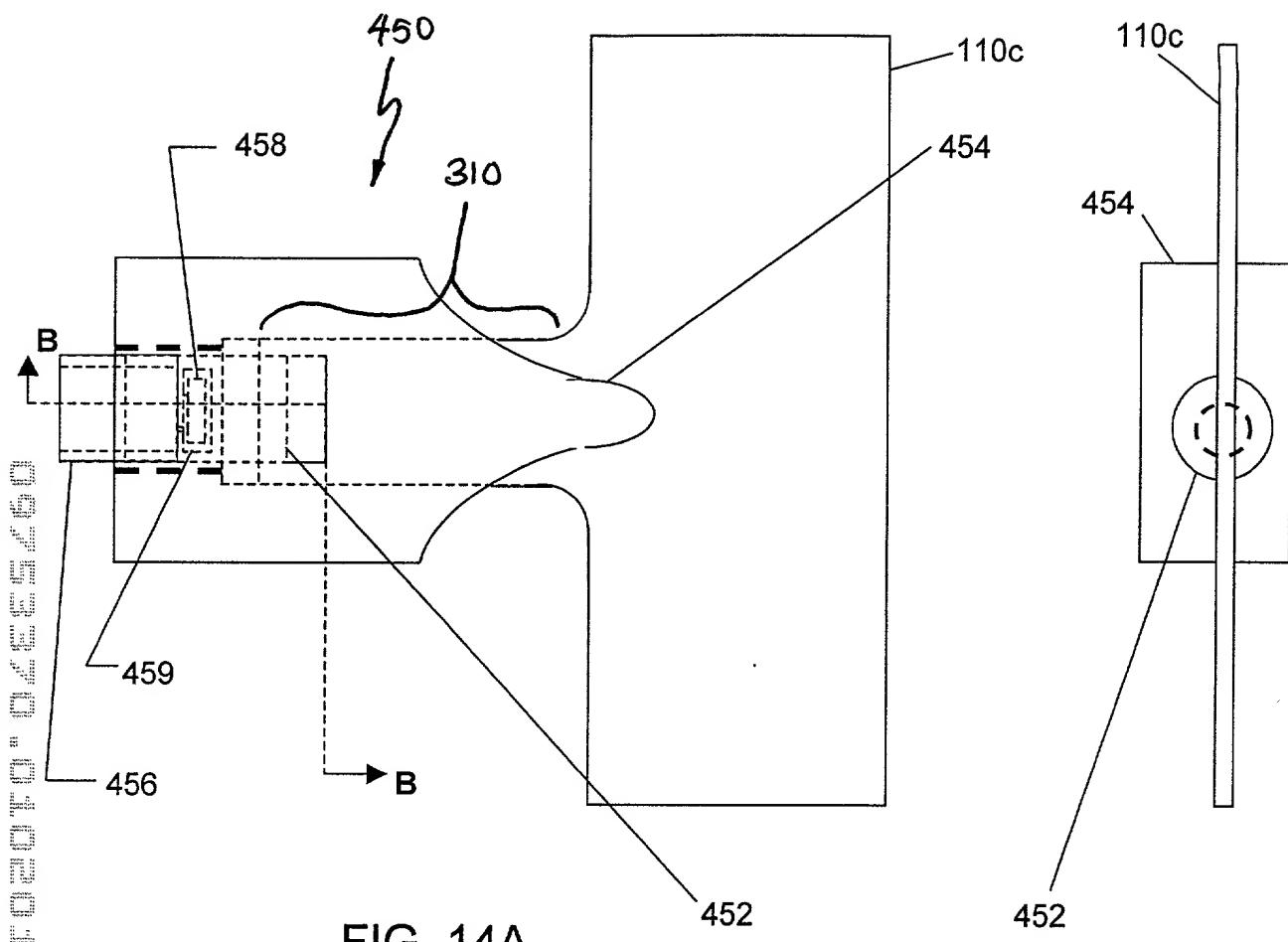


FIG. 14A

FIG. 14C

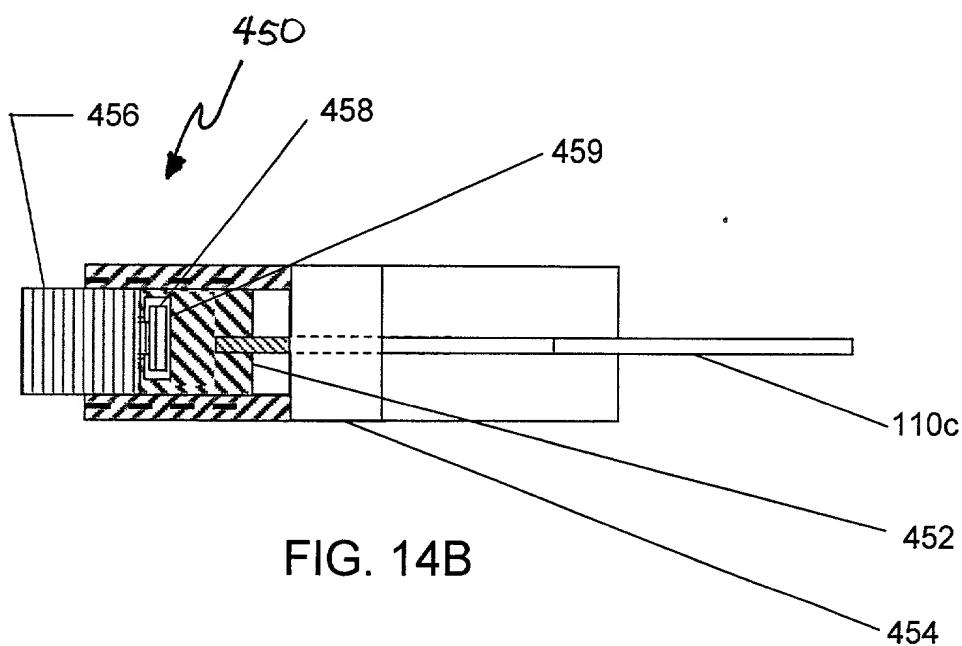


FIG. 14B

02/11

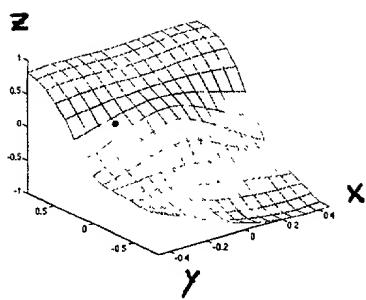


FIG. 15A Mode shape at 176 Hz

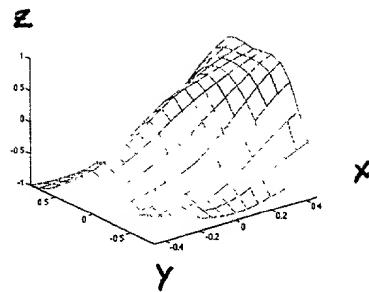


FIG. 15B Mode shape at 530 Hz

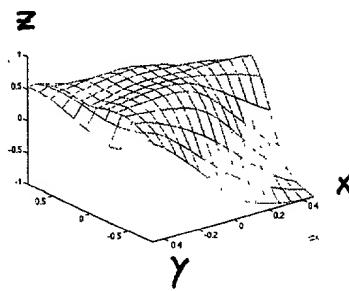


FIG. 15C Mode shape at 977 Hz

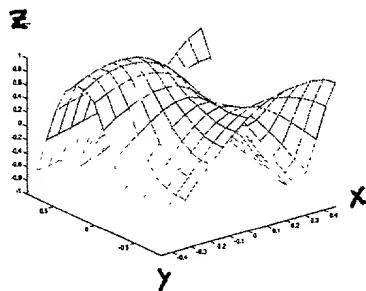


FIG. 15D Mode shape at 1730 Hz

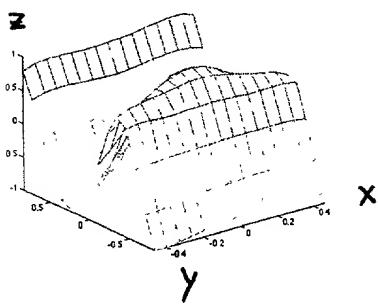


FIG. 15E Mode shape at 1898 Hz

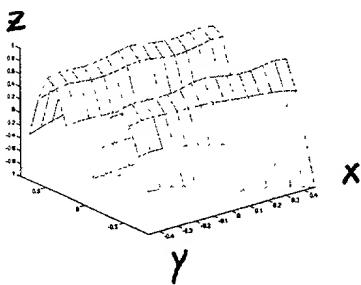


FIG. 15F Mode shape at 3580Hz

FIG. 15

n/s/

Page 1

Anti-Node Line – In Phase (67)

• • • • •

Node Line (69)

10 of 10

Anti-Node Line – Out-of-Phase (67)

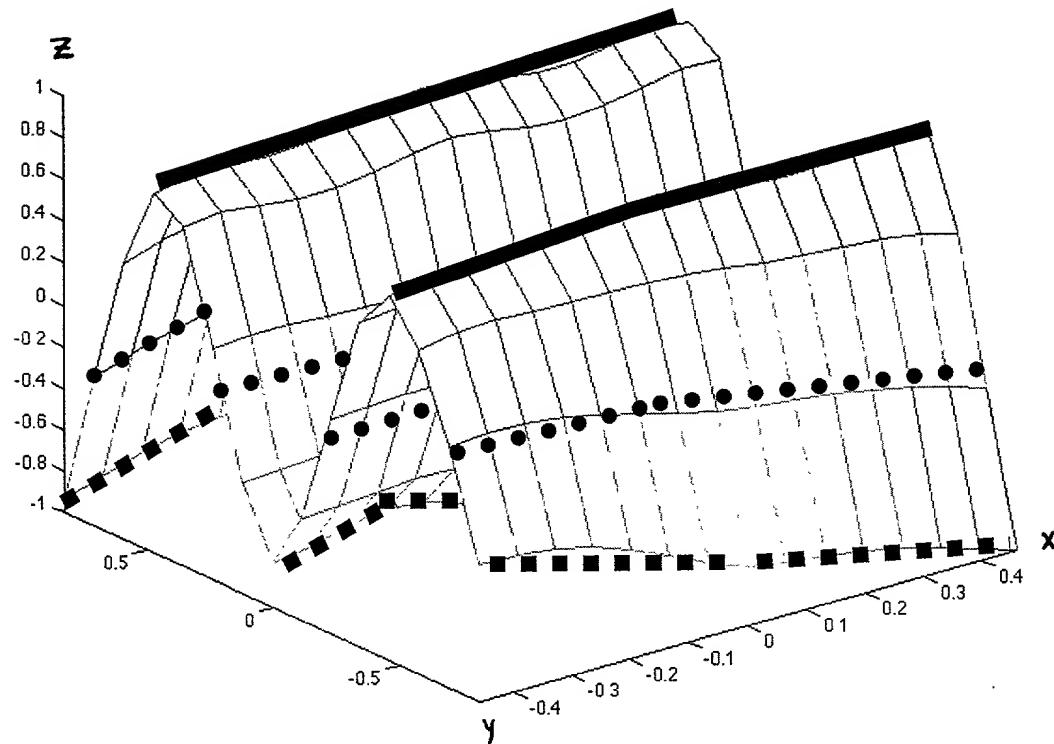


FIG. 16

2/9/

17/20

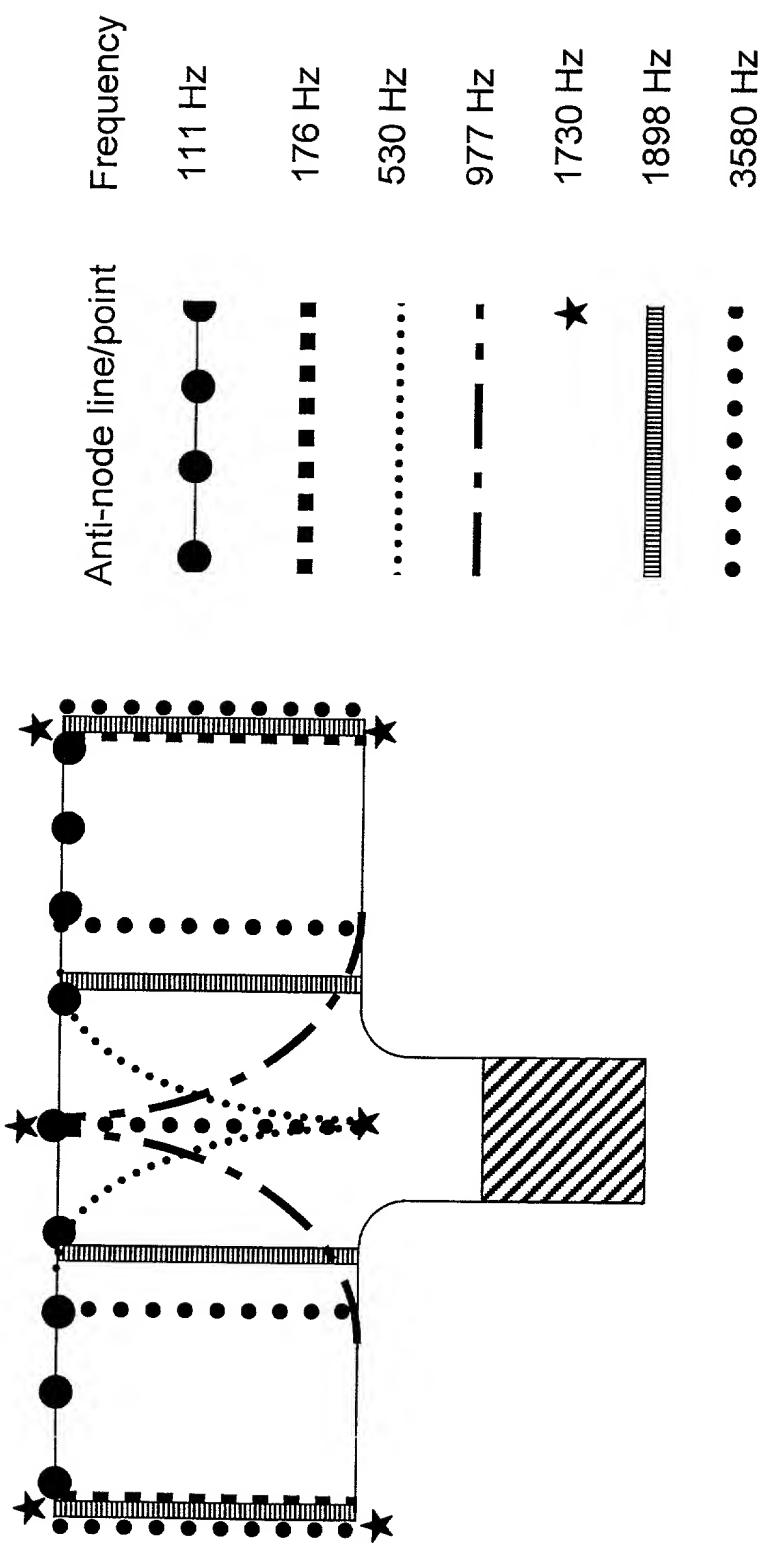


FIG. 17

18/20

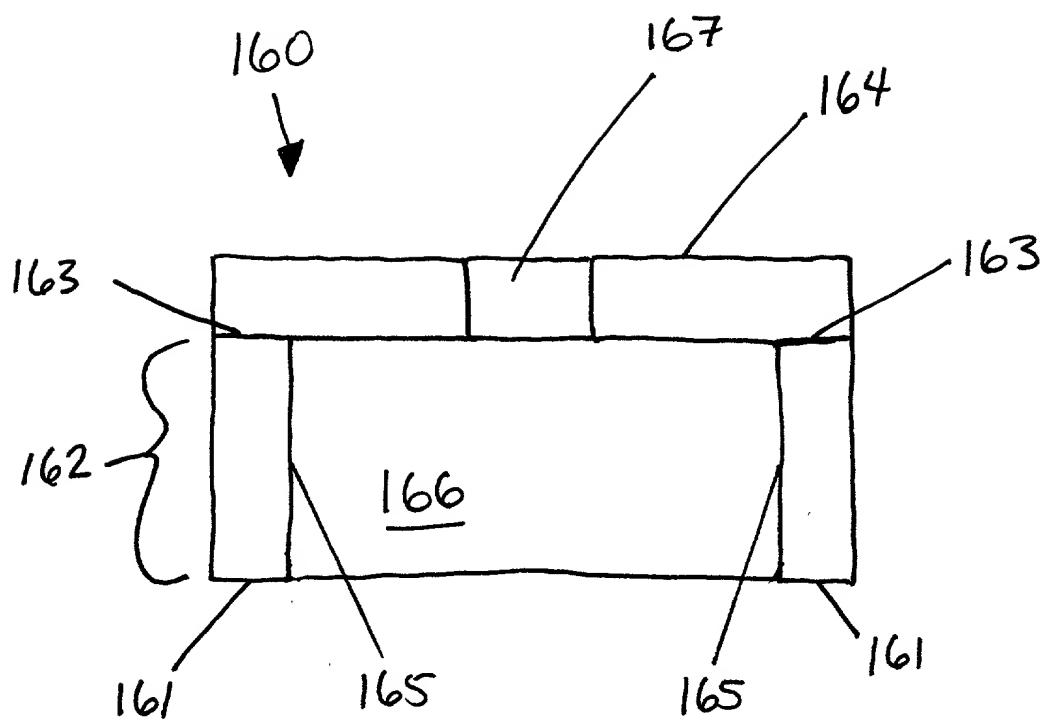


FIG. 18A

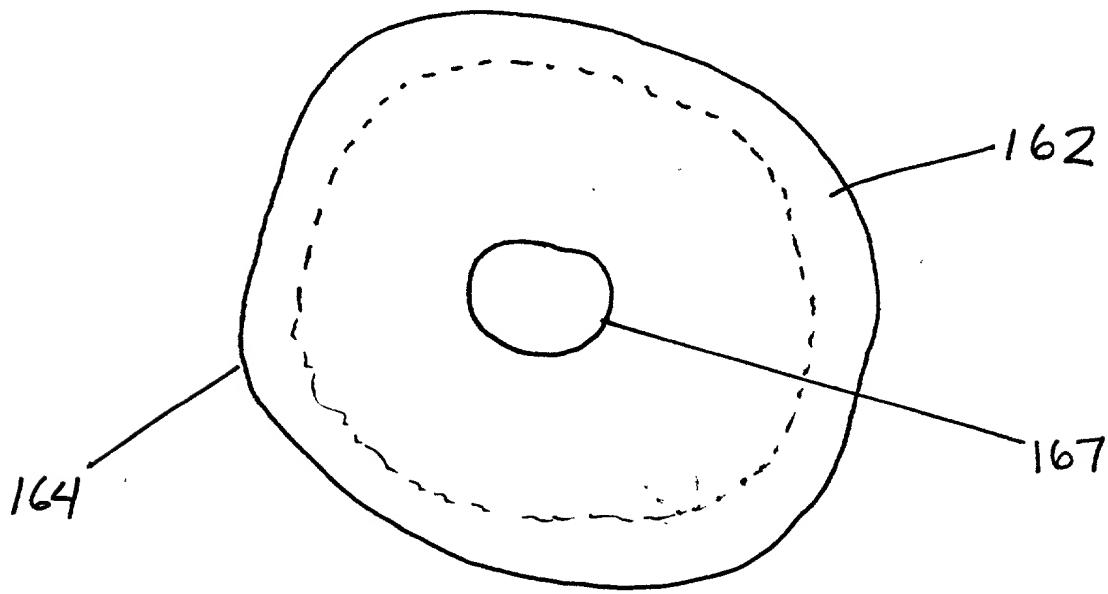


FIG. 18B

19/20

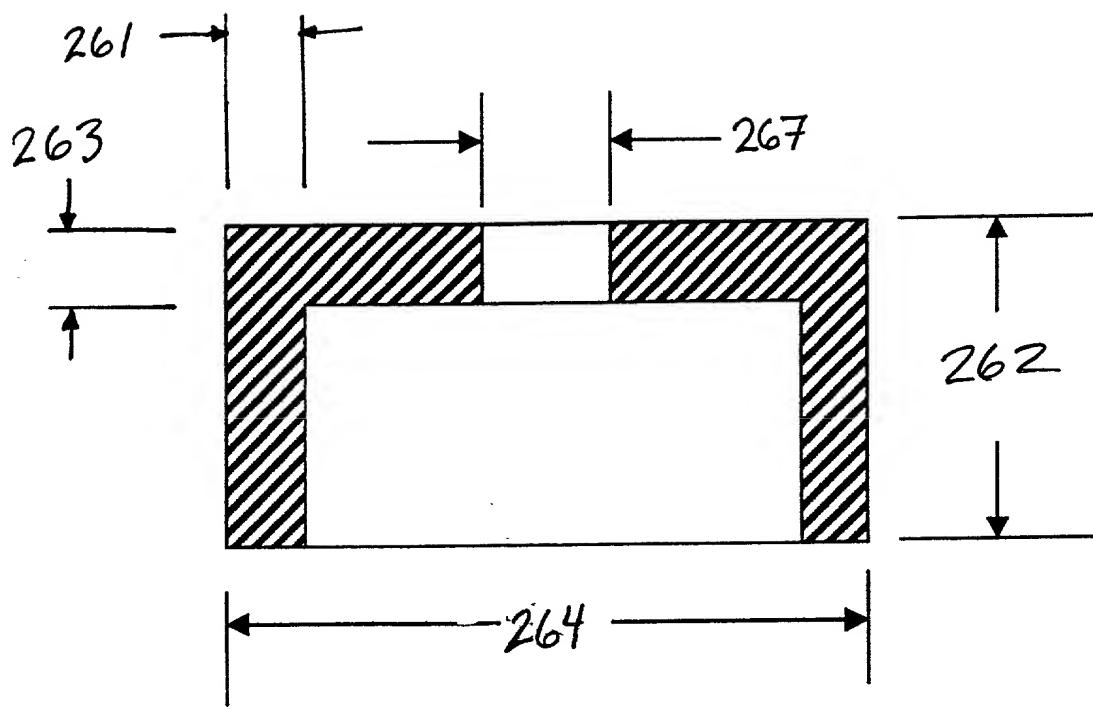


FIG. 19

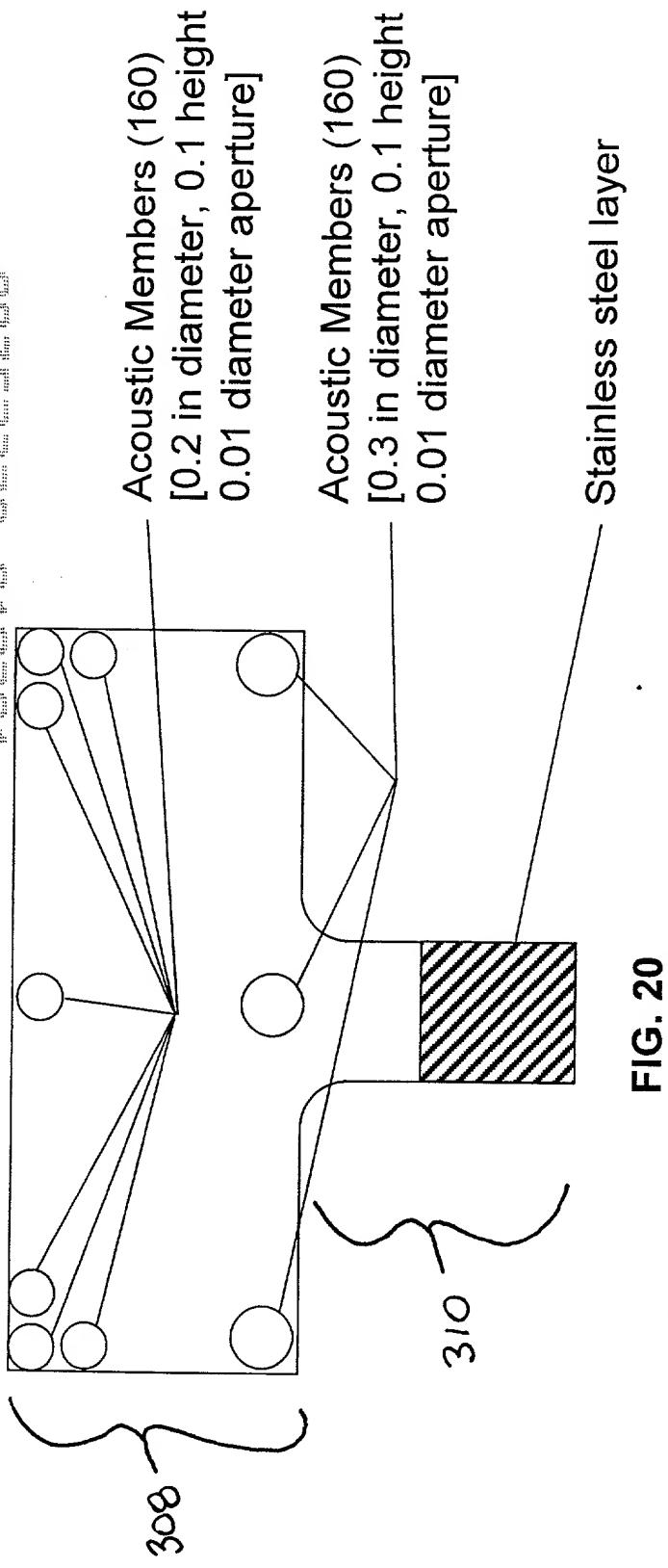


FIG. 20

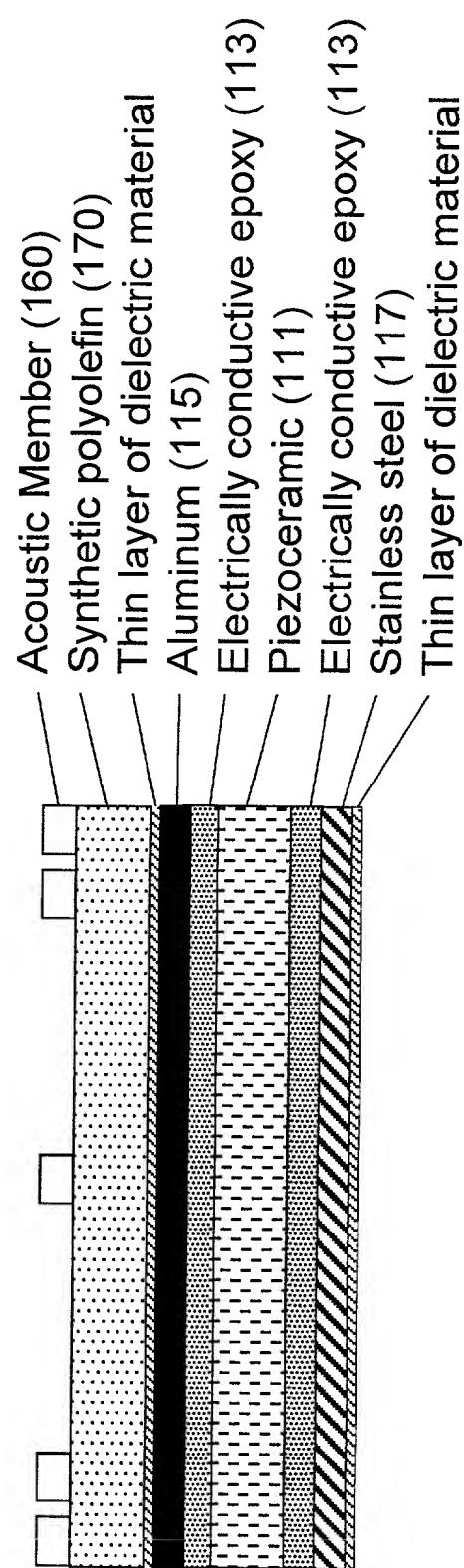


FIG. 21

20/20